

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03840

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C04B35/573 C04B37/00 C04B41/50 C22C29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C04B C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 247 304 A (GENERAL ELECTRIC COMPANY) 27 January 1981 (1981-01-27) column 8, line 34 - line 59 column 9, line 65 -column 10, line 3 examples 1-4	1-12
X	US 6 447 852 B1 (AMBLER TECHNOLOGIES, INC.) 10 September 2002 (2002-09-10) column 22, line 56 -column 23, line 22; claims 1-44	1-12
X	EP 1 253 123 A (FRENTON LIMITED) 30 October 2002 (2002-10-30) cited in the application paragraphs '0047!', '0057!', '0099!', '0107!'; claims 1-15	1-12
	--- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

8 October 2003

Date of mailing of the international search report

14/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3018

Authorized officer

Luethe, H

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03840

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 173 614 A (GENERAL ELECTRIC COMPANY) 6 November 1979 (1979-11-06) the whole document -----	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/03840

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4247304	A	27-01-1981	AT 373189 B	27-12-1983
			AT 819579 A	15-05-1983
			AU 534225 B2	12-01-1984
			AU 5373879 A	03-07-1980
			CA 1136863 A1	07-12-1982
			DE 2967092 D1	09-08-1984
			EP 0012966 A1	09-07-1980
			ES 8103207 A1	16-05-1981
			IE 49733 B1	11-12-1985
			IL 58935 A	30-09-1982
			IN 152702 A1	17-03-1984
			JP 1464335 C	28-10-1988
			JP 55126580 A	30-09-1980
			JP 63013952 B	28-03-1988
			NO 794283 A , B,	01-07-1980
			US 4353953 A	12-10-1982
			ZA 7906719 A	25-03-1981
US 6447852	B1	10-09-2002	NONE	
EP 1253123	A	30-10-2002	RU 2147508 C1	20-04-2000
			RU 2131805 C1	20-06-1999
			RU 2151126 C1	20-06-2000
			RU 2147509 C1	20-04-2000
			EP 1253123 A1	30-10-2002
			AT 224858 T	15-10-2002
			AU 749202 B2	20-06-2002
			AU 8975798 A	29-03-1999
			BR 9811633 A	26-09-2000
			CA 2301775 A1	18-03-1999
			CN 1274341 T	22-11-2000
			CZ 20000613 A3	12-12-2001
			DE 69808324 D1	31-10-2002
			DE 69808324 T2	22-05-2003
			WO 9912866 A1	18-03-1999
			EP 1019337 A1	19-07-2000
			ES 2187055 T3	16-05-2003
			JP 2001515836 T	25-09-2001
			PL 339012 A1	04-12-2000
			US 6179886 B1	30-01-2001
			AT 229486 T	15-12-2002
			AU 9623098 A	29-03-1999
			BR 9811635 A	08-08-2000
			CA 2301611 A1	18-03-1999
			CN 1272100 T	01-11-2000
			CZ 20000724 A3	12-12-2001
			DE 69810141 D1	23-01-2003
			EA 1843 B1	27-08-2001
			WO 9912867 A1	18-03-1999
			EP 1019338 A1	19-07-2000
			ES 2190814 T3	16-08-2003
			JP 2001515927 T	25-09-2001
			PL 339060 A1	04-12-2000
US 4173614	A	06-11-1979	AT 371400 B	27-06-1983
			AT 754278 A	15-11-1982
			AU 525777 B2	02-12-1982
			AU 4082578 A	24-04-1980

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/03840

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4173614 A		BR 7806957 A	08-05-1979
		CH 647487 A5	31-01-1985
		DE 2845834 A1	26-04-1979
		DK 469278 A ,B,	22-04-1979
		ES 474394 A1	01-11-1979
		FR 2414033 A1	03-08-1979
		GB 2006733 A ,B	10-05-1979
		IE 48038 B1	05-09-1984
		IT 1099392 B	18-09-1985
		JP 1405254 C	09-10-1987
		JP 54073811 A	13-06-1979
		JP 62013307 B	25-03-1987
		MX 6410 E	28-05-1985
		NL 7810521 A ,B,	24-04-1979
		SE 445838 B	21-07-1986
		SE 7810975 A	14-06-1979